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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Daniel Armstrong

Docket No. AST-4A-PCT-US

U.S. Patent No. 5,874,005

Dated: February 23, 1999

For: MACROCYCLIC ANTIBIOTICS AS SEPARATION AGENTS



600 Third Avenue  
New York, New York 10016  
January 14, 2002

048709156 US  
JAN 14 2002  
EV  
JAN 14 2002  
S. Holcomby

Asst. Commissioner of Patents  
Washington, D.C. 20231

Attn: Certificates of Correction Branch

Sir:

Patentee filed a request for a Certificate of Correction on May 21, 1999 and on January 1, 2002 the Certificate of Correction issued from the PTO. However, the Certificate of Correction was retyped by the PTO and several errors occurred during the retyping. A copy of the original request is enclosed together with a copy of the Certificate with the errors indicated thereon. It is respectfully requested that the PTO issue a new Certificate of Correction with the indicated corrections.

Respectfully submitted,

BIERMAN, MUSERLIAN AND LUCAS

By Donald C. Lucas  
Donald C. Lucas  
Reg. No. 31,275

DCL:jp  
Tel. 212-661-8000  
Fax. 212-661-8002

**CERTIFICATE**  
**JAN 23 2002**  
**OF CORRECTION**

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 5,874,005  
DATED : February 23, 1999  
INVENTOR(S) : Daniel Armstrong

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page.

Change "Amstrong" to -- Armstrong --;

Item [56], Inventor, change "Amstrong" to -- Armstrong --.

Column 1.

Line 67, change "Electrophbresis" to -- Electrophoresis --.

Column 5.

Line 11, change "macrodites" to -- macrolides --.

Column 7.

Line 7, after "to" (first instance), insert -- leash --;

Lines 29-30, change "trimethlyloxysilane" to -- trimethyloxysilane --.

Column 8.

Line 49, change "Anhydrous" to -- anhydrous --.

Column 9.

Table II, No. 14), after "4.1" insert -- Van --;

No. 20; change "10196" to -- 10/90 --.

Column 10.

Line 20, add at the end of the formula: --  $/(t_1 - t_0)$  --.

Column 11.

Table III, last line, change "4.41" to -- 1.41 --.

Column 12.

Line 25, change "[3,4-]" to -- [3,4-b] --.

Column 13.

Table VII, No. 9) after "1.09" insert -- 15/85 DMP-Van --; No. 10), change "1.03" to -- 1.08 --; No. 11), change "1.03" to -- 1.08 --.

Column 17.

Table XI, last line, change "8;5" to -- 8.5 --.

Column 18, Table XIII.

Line 51, change "65" to -- 6.5 --.

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 5,874,005  
DATED : February 23, 1999  
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Page 2 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 20,

Table XV, No. 5, change "AQC<sup>c</sup>" to -- AQC<sup>b</sup> --.

-5.7

Column 25,

Table XVII, on line of Glutamic acid, change "5.7" to -5.7-; on line of Suprofen, change "-6.7" to -- -8.7 --; on line of  $\pm$  -Dibromohydrocinnamic acid, change "-7.6" to - -7.8 --.

Column 27, Table ~~XVII~~ XIX

Line 31, change "Riatocetin" to -- Ristocetin --;

Line 40, change "Riatocetin" to -- Ristocetin --.

Column 29, Table XXI

Line 2, change "1.9" to -- 4.9 --;

Line 11, change "8.3" to -8.3-; -8.3

Line 12, change "40.0" to -- 40.6 --;

Line 16, change "7.6" to -- -7.6 --.

Column 31, Table XXIII

Line 14, delete "4-Benzyl-2-"

*This Certificate of Correction supercedes the  
certificate issued January 1, 2002.*



Attest:

*Virginia Tolbert*

Attesting Officer

~~Signed and Sealed this~~

~~First Day of January, 2002~~

*James E. Rogan*

JAMES E. ROGAN  
Director of the United States Patent and Trademark Office

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 5,874,005

DATED : February 23, 1999

INVENTOR(S) : Daniel Armstrong

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Face of Patent: Change "Amstrong" to --Armstrong--;

At Inventor: Change "Amstrong" to --Armstrong--.

Item [75]

Column 1, line 67, change "Electrophbresis" to  
--Electrophoresis--.

Column 5, line 11, change "macrodites" to --macrolides--.

Column 7, line 7, after "to" (first instance), insert  
--leash--; lines 29-30, change "trimethlyloxysilane" to  
--trimethyloxysilane--.

Column 8, line 49, change "Anhydrous" to --anhydrous--.

Column 9, Table II, No. 14), after "4.1" insert --Van--;  
No. 20; change "10196" to --10/90--.

Column 10, line 20, add at the end of the formula:  
--/(t<sub>1</sub>-t<sub>0</sub>)--.

Column 11, Table III, last line, change "4.41" to --1.41--.

Column 12, line 25, change "[3,4-]" to --[3,4-b]--.

Column 13, Table VII, No. 9) after "1.09" insert  
--15/85 DMP-Van--; No. 10), change "1.03" to --1.08--;  
No. 11), change "1.03" to --1.08--.

Column 17, Table XI, last line, change "8;5" to --8.5--.

Column 18, Table XIII, line 51 of patent, change "65= to  
--6.5--.

MAILING ADDRESS OF SENDER:

Bierman, Muserlian and Lucas  
600 Third Avenue  
New York, New York 10016

PATENT NO. 5,874,005

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UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 5,874,005

DATED : February 23, 1999

Page 2 of 2

INVENTOR(S) : Daniel Armstrong

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Column 20, Table XV, No. 5. change "AQCC" to --AQCb--.

Column 25, Table XVII, on line of Glutamic acid, change "5.7" to -- -5.7--; on line of Suprofen, change "-6.7" to -- -8.7--; on line of  $\pm$ -Dibromohydrocinnamic acid, change "-7.6" to -- -7.8--.

Column 27, Table XIX, line 31 of patent, change "Riatocetin" to --Ristocetin--; line 40 of patent, change "Riatocetin" to --Ristocetin--.

Column 29, Table XXI, line 2 of Table, change "1.9" to --4.9--; line 11 of Table, change "8.3" to -- -8.3--; line 12 of Table, change "40.0" to --40.6--; line 16 of Table, change "7.6" to -- -7.6--.

Column 31, Table XXIII, line 14 of patent, delete "4-Benzyl-2-"

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PATENT NO. 5,874,005

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Line 40, change "Riatocetin" to -- Ristocetin --.

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Line 12, change "40.0" to -- 40.6 --;  
Line 16, change "7.6" to -- -7.6 --.

Column 31, Table XXIII,

Line 14, delete "4-Benzyl-2-"

This Certificate of Correction supersedes the Certificate issued January 1, 2002.

Signed and Sealed this

Fourteenth Day of January, 2003

A handwritten signature in black ink, appearing to read "James E. Rogan", with a horizontal line drawn underneath it.

JAMES E. ROGAN  
*Director of the United States Patent and Trademark Office*